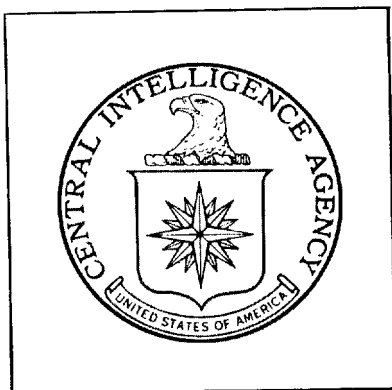


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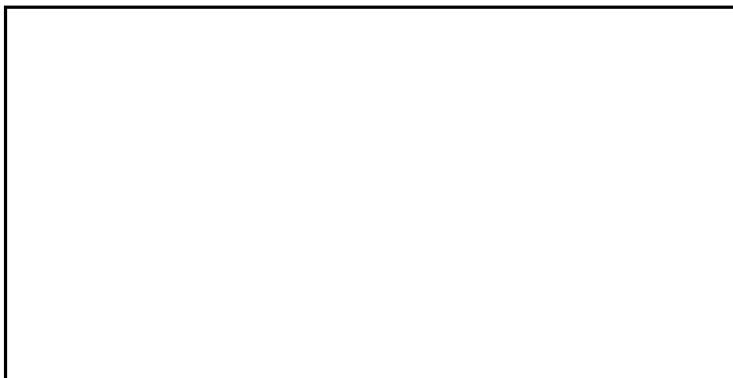
**DIRECTORATE OF
INTELLIGENCE**

**Declass Review by
NIMA/DOD**

Imagery Analysis Report

**Baltic, Admiralty and Sudomekh Shipyards
Leningrad, USSR**

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DDI/IAR 83057



DATE January 1968

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IMAGERY ANALYSIS SERVICE



January 1968

BALTIC, ADMIRALTY AND SUDOMEKH SHIPYARDS

LENINGRAD, USSR

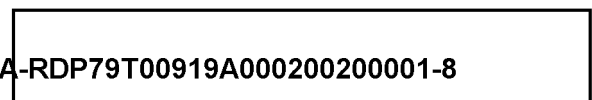
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SHIPYARD : BALTIC SHIPYARD 189
 LOCATION : LENINGRAD, USSR
 GEO COORDS: 59-55N 030-16E

25X1

KEY TO NUMBERED ANNOTATIONS ON FIGURE 1

1. New Class Tanker (LOA approximately 530 feet)*
 This vessel at the fitting-out quay may be the "Great October" mentioned in an article in Morskoy Flot (June 1967). The article noted that at Baltic Shipyard in Leningrad, a tanker measuring [REDACTED] length overall and a beam of [REDACTED] is under construction.
 2. The "Kosmonaut Vladimir Komarov" AGM/SESS (Range Instrumentation/ Space Event Support Ship) (LOA approximately 510 feet)
 This vessel is characterized by three large environmental domes, two Vee Cone HF antennas. Two of the three domes measure approximately 65 feet in diameter and the smaller one measures approximately 25 feet in diameter. The large spherical objects observed in the yard on [REDACTED] probably equate to the domes now in place on the vessel. See Annotations 2 and 3, Figures 1 and 1A, [REDACTED]
- Although the "Kosmonaut Vladimir Komarov" has a "bulge" (see Figure 1A) in its hull amidships, it has the basic hull of a Poltava/Perekop Class vessel. A probable Poltava/Perekop Class Merchant ship was observed at this quay on [REDACTED] See Annotation 1, [REDACTED]

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Since the Baltic Shipyard does not have the necessary graving or floating dock facilities, part of this ship's conversion would have had to be done elsewhere. The nearest large graving dock is at the Kronshtadt Naval Base and Shipyard (59-59N 029-45E).

Figure 1B shows the "Kosmonaut Vladimir Komarov" alongside the quay at Baltic Shipyard [REDACTED] with the large "Demag" crane outboard. The small environmental dome later observed on the AGM/SESS is located on either the pontoon of the crane or on a barge alongside (see Annotation 1, Figure 1B below). [REDACTED]

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* All measurements have been made by the DDI/IAS project analyst.

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3. Probable YANTARNYY Class Refrigerated Fish Transport (LOA approximately 425 feet)

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4. Apparently Empty Building Way

5. Unidentified Vessel

This vessel is under construction on the middle building way.

6. Large Tanker (apparent LOA approximately 750 feet)

The hull of this vessel under construction on the westernmost building way appears nearly complete. See Annotation 1, Figure 1, [REDACTED]

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KEY TO FACILITY ANNOTATIONS ON FIGURE 1

- A. Quay Extension

Construction continues on extension to quay at the north end of the shipyard. See Annotation A, Figure 1, [REDACTED]

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- B. Construction Activity

Construction continues on the building ways and craneways behind the cofferdam. See Annotation B, Figure 1, [REDACTED]

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FIGURE 1A. The AGM/SESS "Kosmonaut Vladimir Komarov".

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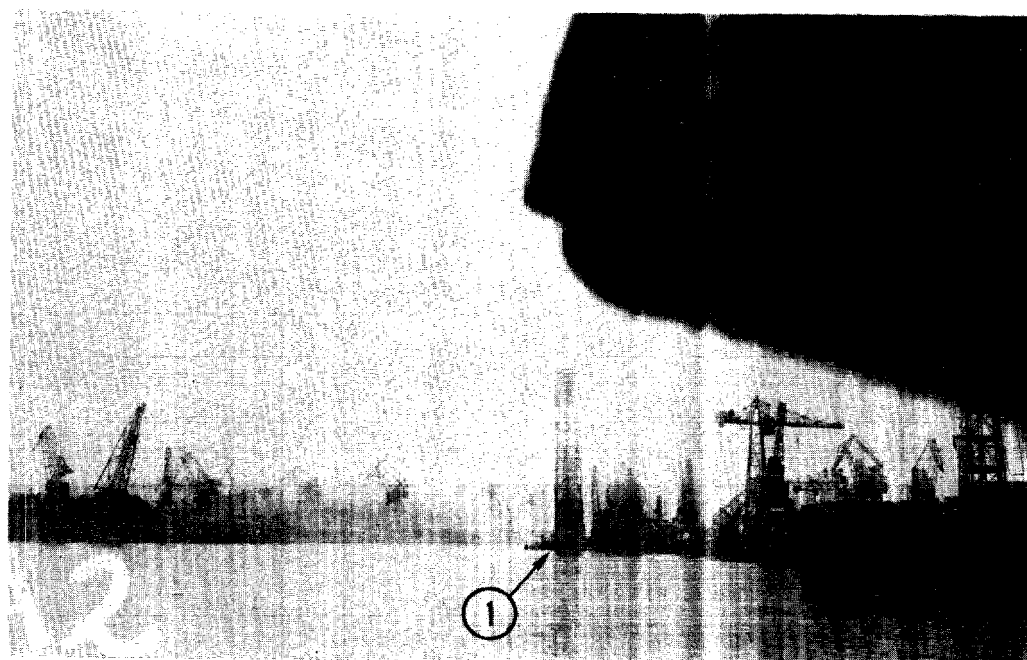


FIGURE 1B. Baltic Shipyard looking south.
13 May 1967.

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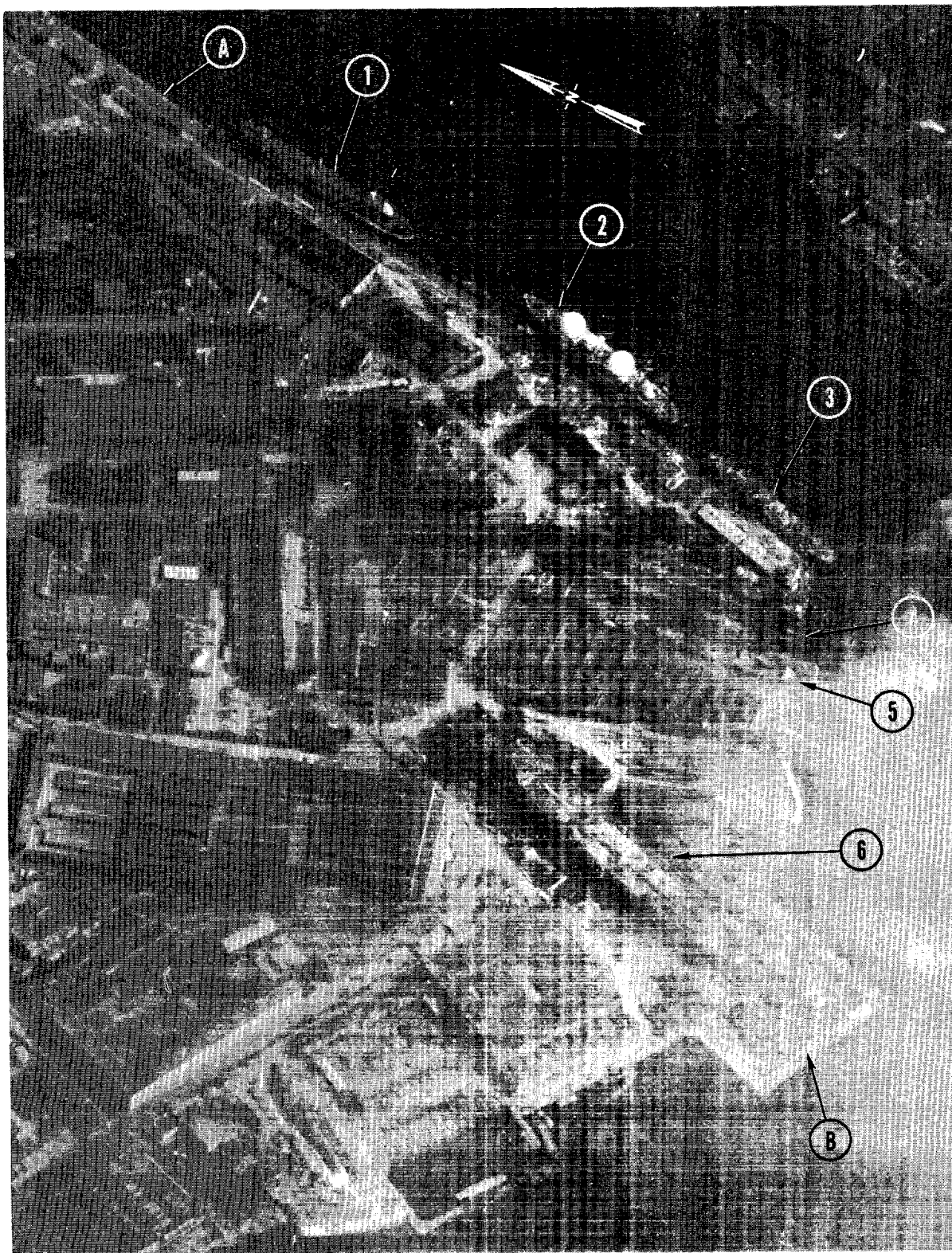


FIGURE 1. BALTIC SHIPYARD 189

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SHIPYARD : ADMIRALTY SHIPYARD 194
 LOCATION : LENINGRAD, USSR
 GEO COORDS: 59-55N 030-17E

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KEY TO NUMBERED ANNOTATIONS ON FIGURE 2

1. Two Probable Barges (LOA of each approximately 280 feet)
2. Large Floating Crane
3. Floating Crane
4. Possible ZEYA Class YRSN (LOA approximately 235 feet)
 This vessel has been previously observed in the Leningrad area only in the slip (adjacent to Annotation 8 below).
5. Possible APL/YR (LOA approximately 320 feet)
6. Probable SS (visible length approximately 250 feet)
 This probable SS is observed between two APL/YRs that are approximately 320 feet length overall. Probable floating screens are between the fore and aft ends of the two APL/YRs thus closing the probable SS in on four sides. The distance between the screens is roughly 300 feet and roughly 20 feet of water can be observed between the northern (upstream) screen and the bow of the probable SS. Roughly 280 feet remain between the bow and the southern floating screen. The probable submarine appears to have a rounded bow and a parallel hull forward. The beam of the probable submarine is noticeably greater than that of the F Class SS. The hull abaft the probable sail tapers toward the area of the stern. The actual stern area is obscured by shadow and the floating screen.
7. Probable APL/YR (LOA approximately 320 feet)
 This vessel is moored alongside the quay at Position 46.*

The arrangement of vessels at Position 46 (Annotations 5, 6 and 7 above) is depicted in Figures 2A and 2B. Analysis of [REDACTED]

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[REDACTED] has revealed that this same arrangement of vessels probably existed prior [REDACTED] but not as early as [REDACTED]

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8. BOLVA Class APL

KEY TO FACILITY ANNOTATION ON FIGURE 2

A. Construction Activity

Construction is observed on a portion of the building adjacent to the fitting-out slip.

NOTE:

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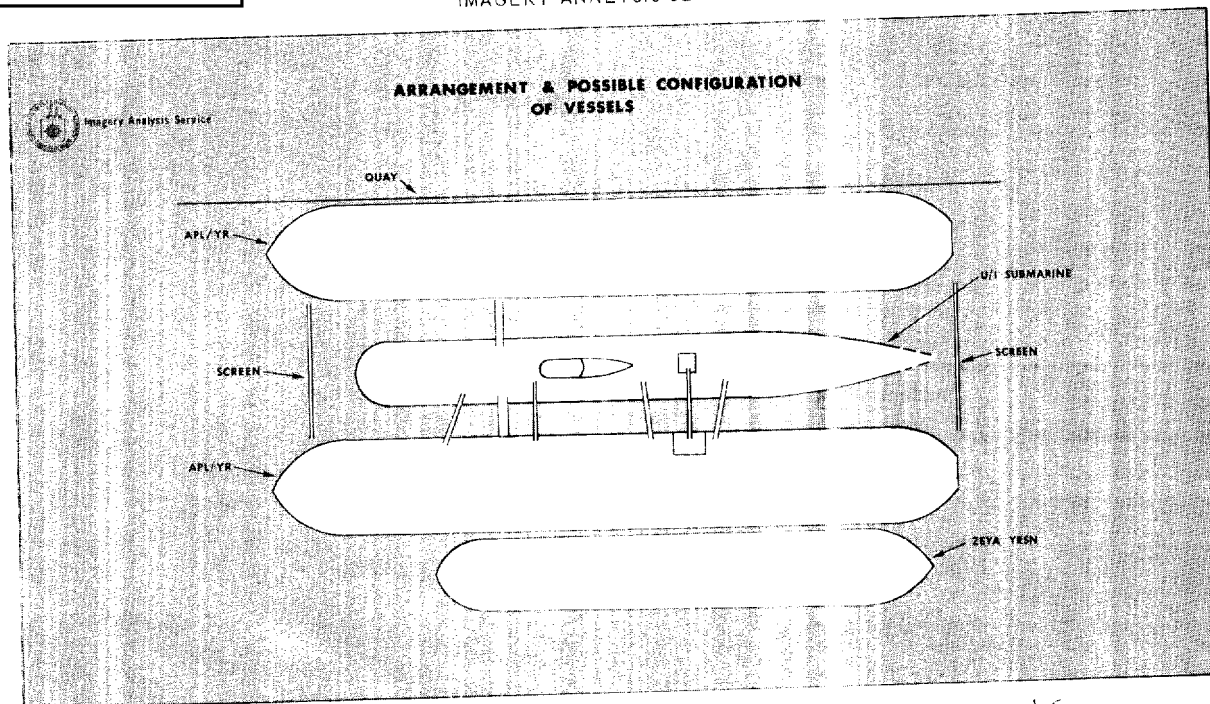


FIGURE 2A. Possible Configuration of Vessels at Position 46 on

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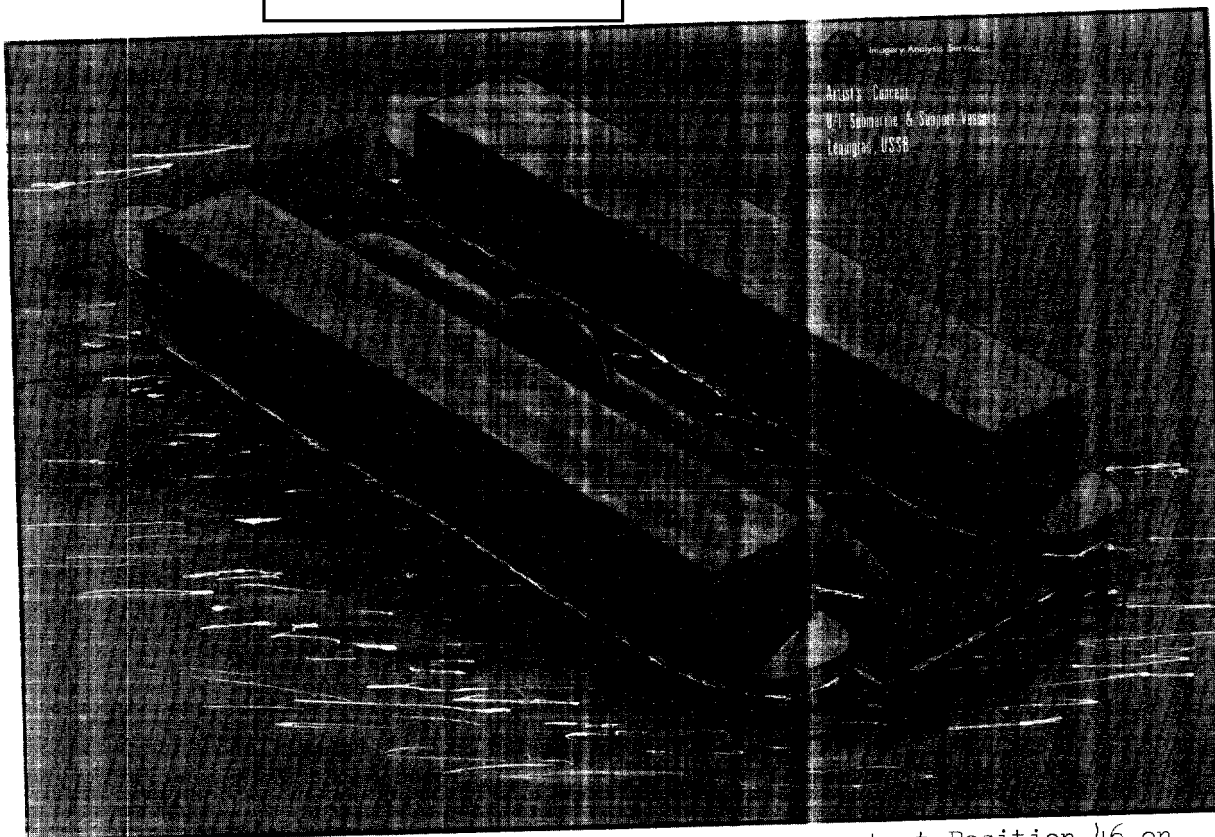


FIGURE 2B. Artist's Concept of Vessel Arrangement at Position 46 on

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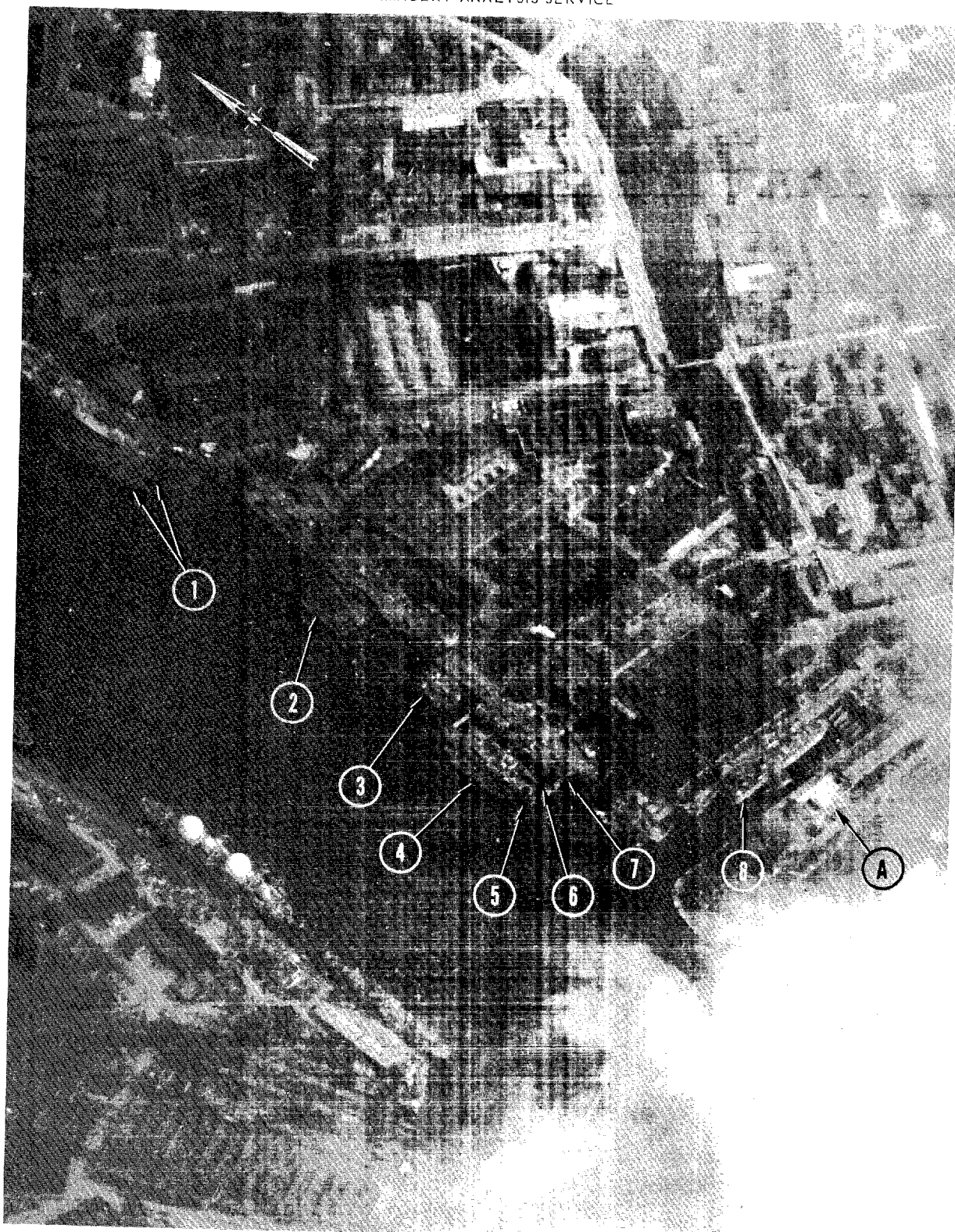


FIGURE 2. ADMIRALTY SHIPYARD 1941

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IMAGERY ANALYSIS SERVICE

SHIPYARD : ADMIRALTY SHIPYARD 194
 LOCATION : LENINGRAD, USSR
 GEO COORDS: 59-55N 030-17E

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KEY TO ANNOTATIONS ON FIGURE 3

1. Large "Step-Down" Transporter Dock (LOA roughly 440 feet)
 This position was cloud covered on [REDACTED] 25X1
2. DOBRINYA NIKITICH Class Icebreaker (LOA roughly 225 feet)
 This position was cloud covered on [REDACTED] 25X1
3. Probable ANDREY ZAKHAROV Class Crab Factory Ship (LOA roughly 530 feet)
 See Annotation 1, Figure 2, [REDACTED] 25X1
4. Probable ANDREY ZAKHAROV Class Crab Factory Ship (measurements undetermined)
 Construction on this vessel is near completion. See Annotation 2, Figure 2, [REDACTED] 25X1
5. Probable DOBRINYA NIKITICH Class Icebreaker (measurements undetermined)
 Construction on this vessel is near completion.
6. Unidentified Large Vessel
 This vessel is under construction on the south building way. When completed this vessel will measure well in excess of 600 feet length overall. See Annotation 3, Figure 2, [REDACTED] 25X1
7. Large Probable "Step-Down" Transporter Dock (LOA roughly 440 feet)
 This dock is occupied by the possible SS at Annotation 8 below. This dock and the one at Annotation 1 above are the first large transporter docks identified at Admiralty Shipyard on [REDACTED] photography. 25X1
8. Possible SS (apparent LOA roughly 250 feet)
 The hull of this SS appears to taper towards either end and has a possible sail roughly 70 feet from the bow. See Annotation 4, Figure 2, [REDACTED] 25X1
9. Barge (LOA roughly 300 feet)
 This barge is moored alongside the quay inboard of the transporter dock. This barge was observed in this position on [REDACTED] See Annotation 5, Figure 2, [REDACTED] 25X1

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10. Unidentified Vessel (apparent length approximately 180 feet)
See Annotation 6, Figure 2.
11. Unidentified Vessel (measurements undetermined)
This vessel may equate to a barge.
12. Probable Floating Crane
13. Barge (measurements undetermined)
This barge is positioned alongside the quay at the construction/assembly building. It is observed to contain several unidentified objects.
See Annotation 7, Figure 2.

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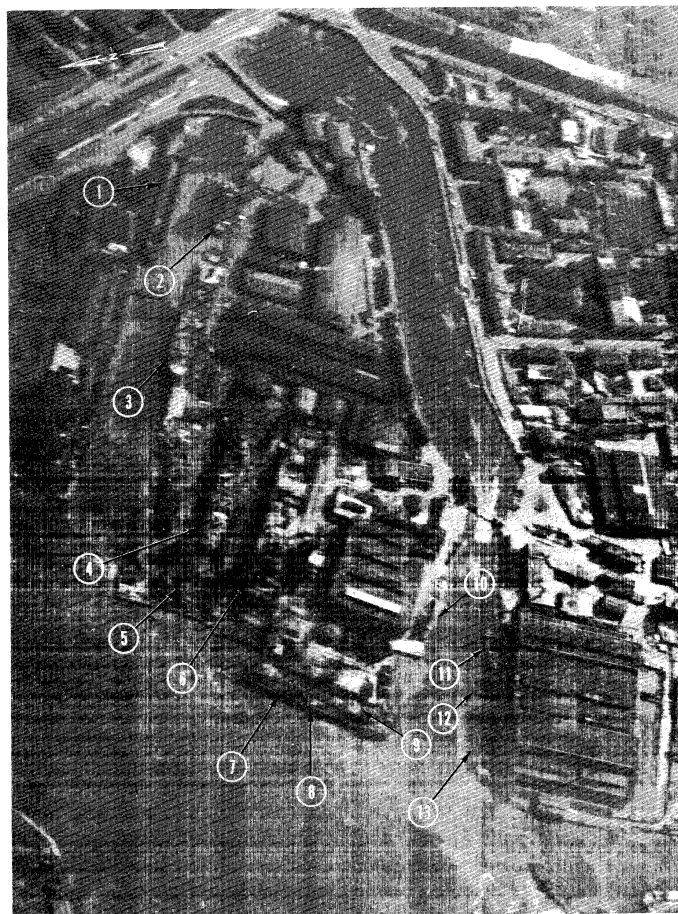


FIGURE 3. ADMIRALTY SHIPYARD 194.

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SHIPYARD : SUDOMEKH SHIPYARD 196
LOCATION : LENINGRAD, USSR
GEO COORDS: 59-56N 030-17E

KEY TO NUMBERED ANNOTATIONS ON FIGURE 4

1. Floating Workshop (LOA approximately 200 feet)
This floating workshop is characterized by its rectangular shape and "peaked" roof.
2. Probable Submarine Hull Section (apparent outer diameter is roughly 25 feet)
This probable hull section is positioned on the southwest end of the transverser. Possible internal support is observed within the hull section.
3. Floating Dock (measurements undetermined)
The north side of the dock is unoccupied. A line of light images, possibly equating to a keel-block arrangement, is observed along the longitudinal axis on the floor. The south side of this dock is occupied by an SS (annotation 4 below). The floating crane is operating outboard of the dock. This position was cloud covered on [REDACTED]
4. Probable F Class SS (LOA roughly 300 feet)
The SS is positioned on the south side of the floating dock. Probable staging is observed around the hull.
5. Probable F Class (visible length approximately 300 feet)
The SS is positioned inboard of security screens and outboard of a similar SS. The deck of the SS appears to be disrupted by either the removal of a deck plate or the presence of clutter. The sail of the SS appears to be incomplete.
6. Probable F Class SS (visible length approximately 300 feet)
This SS is positioned alongside the fitting-cut quay inboard of a similar SS. The sail of this SS may be more complete than the sail on the SS alongside. The bow planes of this SS are extended.
7. [REDACTED]

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8. Probable APL/YR (LOA approximately 320 feet)
This vessel is being fitted-out. It is similar in appearance to the possible APL/YR observed at Admiralty Shipyard, Annotation 5, Figure 2, this report.
9. Probable APL/YR (LOA approximately 320 feet)
This vessel is also being fitted-out. Its appearance is similar to the possible APL/YR observed at Admiralty Shipyard, Annotation 7, Figure 2, this report.
10. Old Merchant Hull NOVOSIBIRSK (LOA approximately 450 feet)

KEY TO FACILITY ANNOTATION ON FIGURE 4

- A. New Building Addition
A multistoried addition is being constructed adjacent to the main construction hall. Its roof appears to be equally as high as the roof of the adjacent construction hall.

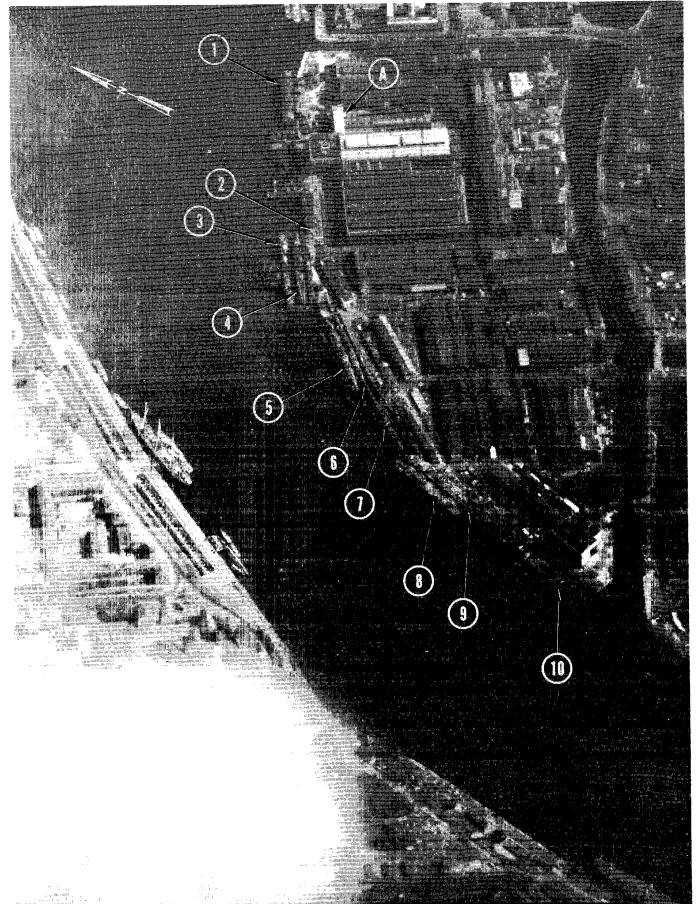


FIGURE 4. SUDOMEKH SHIPYARD 196

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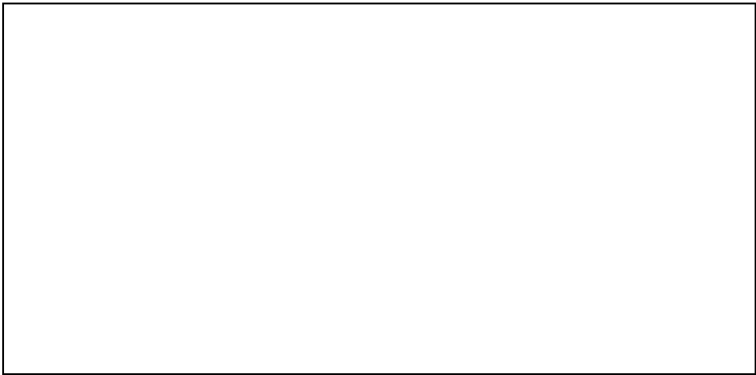
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- 2. Navy. ONI 36-2B, Communist Bloc Fishing Fleets and Scientific Research Ships, March 1965, (SECRET)

- 4. Moskovy Flot (Maritime Fleet), No. 6, Moscow, June 1967, page 38, (UNCLASSIFIED)

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